

SEQUENCE LISTING

<110> Raines, Ronald T.

<120> Oxidation-Resistant Ribonuclease Inhibitor

<130> 960296.95360

<140>

<141>

<160> 3

<170> PatentIn Ver. 2.0

<210> 1

<211> 456

<212> PRT

<213> Rattus sp.

<400> 1

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			20					25					30		
Cys	Gly	Leu	Thr	Glu	Val	Arg	Cys	Lys	Asp	Ile	Arg	Ser	Ala	Ile	Gln
		35					40					45			
Ala	Asn	Pro	Ala	Leu	Thr	Glu	Leu	Ser	Leu	Arg	Thr	Asn	Glu	Leu	Gly
		50				55					60				
Asp	Ala	Gly	Val	Gly	Leu	Val	Leu	Gln	Gly	Leu	Gln	Asn	Pro	Thr	Cys
65					70					75					80
Lys	Ile	Gln	Lys	Leu	Ser	Leu	Gln	Asn	Cys	Ser	Leu	Thr	Glu	Ala	Gly
			85						90					95	
Cys	Gly	Val	Leu	Pro	Asp	Val	Leu	Arg	Ser	Leu	Ser	Thr	Leu	Arg	Glu
			100					105					110		
Leu	His	Leu	Asn	Asp	Asn	Pro	Leu	Gly	Asp	Glu	Gly	Leu	Lys	Leu	Leu
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Cys	Glu	Gly	Leu	Arg	Asp	Pro	Gln	Cys	Arg	Leu	Glu	Lys	Leu	Gln	Leu
		130					135					140			

Glu	Tyr	Cys	Asn	Leu	Thr	Ala	Thr	Ser	Cys	Glu	Pro	Leu	Ala	Ser	Val
145					150					155					160
Leu	Arg	Val	Lys	Pro	Asp	Phe	Lys	Glu	Leu	Val	Leu	Ser	Asn	Asn	Asp
				165				170						175	
Phe	His	Glu	Ala	Gly	Ile	His	Thr	Leu	Cys	Gln	Gly	Leu	Lys	Asp	Ser
			180					185					190		
Ala	Cys	Gln	Leu	Glu	Ser	Leu	Lys	Leu	Glu	Asn	Cys	Gly	Ile	Thr	Ser
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Ala	Asn	Cys	Lys	Asp	Leu	Cys	Asp	Val	Val	Ala	Ser	Lys	Ala	Ser	Leu
	210					215					220				
Gln	Glu	Leu	Asp	Leu	Gly	Ser	Asn	Lys	Leu	Gly	Asn	Thr	Gly	Ile	Ala
225					230					235					240
Ala	Leu	Cys	Ser	Gly	Leu	Leu	Leu	Pro	Ser	Cys	Arg	Leu	Arg	Thr	Leu
				245				250						255	
Trp	Leu	Trp	Asp	Cys	Asp	Val	Thr	Ala	Glu	Gly	Cys	Lys	Asp	Leu	Cys
			260					265					270		
Arg	Val	Leu	Arg	Ala	Lys	Gln	Ser	Leu	Lys	Glu	Leu	Ser	Leu	Ala	Gly
	275						280					285			
Asn	Glu	Leu	Lys	Asp	Glu	Gly	Ala	Gln	Leu	Leu	Cys	Glu	Ser	Leu	Leu
	290					295					300				
Glu	Pro	Gly	Cys	Gln	Leu	Glu	Ser	Leu	Trp	Val	Lys	Thr	Cys	Ser	Leu
305					310					315					320
Thr	Ala	Ala	Ser	Cys	Pro	His	Phe	Cys	Ser	Val	Leu	Thr	Lys	Asn	Ser
				325					330					335	
Ser	Leu	Phe	Glu	Leu	Gln	Met	Ser	Ser	Asn	Pro	Leu	Gly	Asp	Ser	Gly
			340					345					350		
Val	Val	Glu	Leu	Cys	Lys	Ala	Leu	Gly	Tyr	Pro	Asp	Thr	Val	Leu	Arg
		355					360					365			
Val	Leu	Trp	Leu	Gly	Asp	Cys	Asp	Val	Thr	Asp	Ser	Gly	Cys	Ser	Ser
	370					375					380				
Leu	Ala	Thr	Val	Leu	Leu	Ala	Asn	Arg	Ser	Leu	Arg	Glu	Leu	Asp	Leu
385					390						395				400

Ser Asn Asn Cys Met Gly Asp Asn Gly Val Leu Gln Leu Leu Glu Ser
 405 410 415

Leu Lys Gln Pro Ser Cys Ile Leu Gln Gln Leu Val Leu Tyr Asp Ile
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Tyr Trp Thr Asp Glu Val Glu Asp Gln Leu Arg Ala Leu Gln Glu Glu
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Arg Pro Ser Leu Arg Ile Ile Ser
 450 455

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<211> 456

<212> PRT

<213> Sus sp.

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Cys Gly Leu Thr Glu Glu His Cys Lys Asp Ile Gly Ser Ala Leu Arg
 35 40 45

Ala Asn Pro Ser Leu Thr Glu Leu Cys Leu Arg Thr Asn Glu Leu Gly
 50 55 60

Asp Ala Gly Val His Leu Val Leu Gln Gly Leu Gln Ser Pro Thr Cys
 65 70 75 80

Lys Ile Gln Lys Leu Ser Leu Gln Asn Cys Ser Leu Thr Glu Ala Gly
 85 90 95

Cys Gly Val Leu Pro Ser Thr Leu Arg Ser Leu Pro Thr Leu Arg Glu
 100 105 110

Leu His Leu Ser Asp Asn Pro Leu Gly Asp Ala Gly Leu Arg Leu Leu
 115 120 125

Cys Glu Gly Leu Leu Asp Pro Gln Cys His Leu Glu Lys Leu Gln Leu
 130 135 140

Glu Tyr Cys Arg Leu Thr Ala Ala Ser Cys Glu Pro Leu Ala Ser Val
 145 150 155 160

Leu Arg Ala Thr Arg Ala Leu Lys Glu Leu Thr Val Ser Asn Asn Asp
 165 170 175
 Ile Gly Glu Ala Gly Ala Arg Val Leu Gly Gln Gly Leu Ala Asp Ser
 180 185 190
 Ala Cys Gln Leu Glu Thr Leu Arg Leu Glu Asn Cys Gly Leu Thr Pro
 195 200 205
 Ala Asn Cys Lys Asp Leu Cys Gly Ile Val Ala Ser Gln Ala Ser Leu
 210 215 220
 Arg Glu Leu Asp Leu Gly Ser Asn Gly Leu Gly Asp Ala Gly Ile Ala
 225 230 235 240
 Glu Leu Cys Pro Gly Leu Leu Ser Pro Ala Ser Arg Leu Lys Thr Leu
 245 250 255
 Trp Leu Trp Glu Cys Asp Ile Thr Ala Ser Gly Cys Arg Asp Leu Cys
 260 265 270
 Arg Val Leu Gln Ala Lys Glu Thr Leu Lys Glu Leu Ser Leu Ala Gly
 275 280 285
 Asn Lys Leu Gly Asp Glu Gly Ala Arg Leu Leu Cys Glu Ser Leu Leu
 290 295 300
 Gln Pro Gly Cys Gln Leu Glu Ser Leu Trp Val Lys Ser Cys Ser Leu
 305 310 315 320
 Thr Ala Ala Cys Cys Gln His Val Ser Leu Met Leu Thr Gln Asn Lys
 325 330 335
 His Leu Leu Glu Leu Gln Leu Ser Ser Asn Lys Leu Gly Asp Ser Gly
 340 345 350
 Ile Gln Glu Leu Cys Gln Ala Leu Ser Gln Pro Gly Thr Thr Leu Arg
 355 360 365
 Val Leu Cys Leu Gly Asp Cys Glu Val Thr Asn Ser Gly Cys Ser Ser
 370 375 380
 Leu Ala Ser Leu Leu Leu Ala Asn Arg Ser Leu Arg Glu Leu Asp Leu
 385 390 395 400
 Ser Asn Asn Cys Val Gly Asp Pro Gly Val Leu Gln Leu Leu Gly Ser
 405 410 415

Leu Glu Gln Pro Gly Cys Ala Leu Glu Gln Leu Val Leu Tyr Asp Thr
 420 425 430
 Tyr Trp Thr Glu Glu Val Glu Asp Arg Leu Gln Ala Leu Glu Gly Ser
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 Lys Pro Gly Leu Arg Val Ile Ser
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 <210> 3
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 <212> PRT
 <213> Homo sapien

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 Val Arg Leu Asp Asp Cys Gly Leu Thr Glu Ala Arg Cys Lys Asp Ile
 35 40 45
 Ser Ser Ala Leu Arg Val Asn Pro Ala Leu Ala Glu Leu Asn Leu Arg
 50 55 60
 Ser Asn Glu Leu Gly Asp Val Gly Val His Cys Val Leu Gln Gly Leu
 65 70 75 80
 Gln Thr Pro Ser Cys Lys Ile Gln Lys Leu Ser Leu Gln Asn Cys Cys
 85 90 95
 Leu Thr Gly Ala Gly Cys Gly Val Leu Ser Ser Thr Leu Arg Thr Leu
 100 105 110
 Pro Thr Leu Gln Glu Leu His Leu Ser Asp Asn Leu Leu Gly Asp Ala
 115 120 125
 Gly Leu Gln Leu Leu Cys Glu Gly Leu Leu Asp Pro Gln Cys Arg Leu
 130 135 140
 Glu Lys Leu Gln Leu Glu Tyr Cys Ser Leu Ser Ala Ala Ser Cys Glu
 145 150 155 160
 Pro Leu Ala Ser Val Leu Arg Ala Lys Pro Asp Phe Lys Glu Leu Thr

[illegible]

420

425

430

Val Leu Tyr Asp Ile Tyr Trp Ser Glu Glu Met Glu Asp Arg Leu Gln
435 440 445

Ala Leu Glu Lys Asp Lys Pro Ser Leu Arg Val Ile Ser
450 455 460